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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/685,215	10/14/2003	William A. Welsh	67008-156PUS1;5691	4100
	7590 01/04/201 ASKEY & OLDS, P.C.	EXAMINER		
400 WEST MAPLE ROAD			JOHNSON, VICKY A	
SUITE 350 BIRMINGHAM, MI 48009			ART UNIT	PAPER NUMBER
			3656	·
			MAIL DATE	DELIVERY MODE
			01/04/2011	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)	
	10/685,215	WELSH, WILLIAM A.	
Office Action Summary	Examiner	Art Unit	
	Vicky A. Johnson	3656	
The MAILING DATE of this communication ap Period for Reply	ppears on the cover sheet with	the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPLEWHICHEVER IS LONGER, FROM THE MAILING ID. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICAL. 136(a). In no event, however, may a report will apply and will expire SIX (6) MONTI te, cause the application to become ABA	ATION. By be timely filed Something the mailing date of this communication NDONED (35 U.S.C. § 133).	
Status			
1) ☐ Responsive to communication(s) filed on 18 I 2a) ☐ This action is FINAL . 2b) ☐ This action is FINAL . 3) ☐ Since this application is in condition for allowed closed in accordance with the practice under	is action is non-final. ance except for formal matte	·	
Disposition of Claims			
4) ☐ Claim(s) 11-36 is/are pending in the application 4a) Of the above claim(s) 11-21,23,24 and 28 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 22,25-27 and 29-36 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/	is/are withdrawn from consider	deration.	
Application Papers			
9) The specification is objected to by the Examin 10) The drawing(s) filed on is/are: a) ac Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E	cepted or b) objected to by e drawing(s) be held in abeyanc ction is required if the drawing(s	e. See 37 CFR 1.85(a). is objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureat * See the attached detailed Office action for a list	nts have been received. nts have been received in Ap ority documents have been re au (PCT Rule 17.2(a)).	olication No eceived in this National Stage	
Attachment(s)	_		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/	mmary (PTO-413) Mail Date ormal Patent Application	

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on November 10, 2010 has been entered.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 22, 25-27, and 29-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ueda (JP 61164109) in view of Perry (UD 6,813,973).

Ueda et al disclose a vibration isolation system for reducing vibrations in a rotating system rotatable about an axis of rotation, comprising: a multiple of masses (21a, 21b) disposed about an axis of rotation of a rotating system (see Fig 6); a drive system to independently spin each of said multiple of masses about said axis of rotation at an angular velocity (pg 12 lines 3-6); and a control system in communication with said

drive system to control the angular velocity of each of said multiple of masses to reduce vibrations generated by of the rotating system (pg 5 lines 1-8).

Ueda does not disclose the multiple of masses radially offset from said axis of rotation from the axis of rotation.

Perry teaches the use of a multiple of masses (38, 52) radially offset from said axis of rotation from the axis of rotation (35).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the device of Ueda to include the rotatable masses as taught by Perry in order to increase the adjustability of the balance.

Response to Arguments

Some further comments regarding the applicant's comments are deemed appropriate.

The applicant argues that the rejection based on the combination of Ueda in view of Perry fails to meet the limitations of the claims because the Ueda reference does not "spin" the masses. The limitation "spin" is being interpreted as "to revolve or rotate rapidly, as the earth or a top." The Ueda reference therefore meets the limitations of the claims.

It is also argued that the combination of the references teaches away from the claimed invention. It is disagreed. Both references teach how to isolate or damp vibrations. The Perry reference is cited in order to teach a radial arm (50.39) radially offset from the axis of rotation (35), in order to increase the adjustability of the balance

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of the system. The Ueda reference teaches the control system, the drive system, and the multiple of masses (21a, 21b) disposed about an axis of rotation of a rotating system (see Fig 6).

The Perry reference is further argued against because it is argued that the balance components are rotationally fixed. As discussed above, the Perry reference is cited in order to teach a radial arm (50.39) radially offset from the axis of rotation (35), in order to increase the adjustability of the balance of the system.

Applicant's remarks have been accorded due consideration, however, they are not deemed fully persuasive.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vicky A. Johnson whose telephone number is (571) 272-7106. The examiner can normally be reached on Monday-Friday (7:00a-3:30p).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Ridley can be reached on (571) 272-6917. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Vicky A. Johnson/ Primary Examiner, Art Unit 3656